

PB-0009-1 CIP

<110> Walker, Michael G.
Volkmuth, Wayne
Klingler, Tod M.
Azimzai, Yalda

<120> POLYNUCLEOTIDES ASSOCIATED WITH CARDIAC MUSCLE FUNCTION

<130> PB-0009-1 CIP

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<211> 1904

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<221> misc_feature

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<212> DNA

<213> Homo sapiens

<220>

PB-0009-1 CIP

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<213> Homo sapiens

<220>

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<213> Homo sapiens

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<213> Homo sapiens

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<223> Incyte ID No: 3009303CB1

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aaatcgacaa	gaaaaacctg	actttacaga	gcagtggtgt	agtaaacaga	atgaaaccaa	3000
caacctccac	tctttagtgt	atataagttt	gagttcttct	ctaaattaaa	agatctacac	3060
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ccatgtagtc	tttccacaaa	atgtccacct	gctgcataag	aggtcatgta	atcctaatac	3240
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tgtagaacct	gagttctctc	tccttaaaat	tttaaatgta	gaaaagtgtg	atatattaga	3360
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<210> 42
 <211> 1461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3719652CT1

<400> 42	cactaagaag	gggctgtgct	ttgatccctt	gctctttgca	ctaccaatgt	ctcaagacat	60
	aatatctcat	cttctgtgct	agaccatttc	tatatctcaa	aagctttctg	ctcttctctc	120
	ccaattttct	ctttgtagca	ggaatttaca	cccagccctc	atctcaatta	atgtctaaata	180
	aagctattgt	ttttccaaaa	cacaaatcta	cactgggtct	caatatcagt	gaagaggctt	240
	acaaaccac	acgtttttct	ccatgaggat	ttctctctgt	gccacaagta	caaaacaaaa	300
	aaacacatgg	attttaacca	aaatgatttg	aaatataggt	gaggaattcag	gagaaggcaa	360
	aagctagaaa	cacttggggg	tgtcaacatg	agtattacat	taacatttgt	tgtatgagaac	420
	ctctatgat	actgacacaa	taaatctact	agggtaaaag	atagctgcga	caatgaaaca	480
	ggaaagaaga	gagggagaga	gaggaaaggg	aaggaaagaa	ggaaggaggg	agaagggaag	540
	aaagaaacaa	tgtctaaccc	aacctatct	tgaagagttg	actcaagtga	aaaaatggat	600
	agaaacaaaa	ttctctagta	ctcatccagg	aaaccattct	tcaattgtgc	atgtggctgt	660
	tgtccaaagg	acacaaatgt	cttgtaggca	gcaaccatat	gctacaagaa	ttgtaaaact	720
	catacaggtt	gtttgaagta	gacagtggag	ataataacaa	agttgctagg	caggaaaaaa	780
	aatcaggaaa	aaagcttctg	gctatttgag	atactgtata	tttttaagg	cttaaaaatg	840
	tataaccaca	gggtatccag	ccaatttcaa	cattactgca	agtccttagag	atttaaacat	900
	tcatttgatt	catagctaaa	tattccact	aatccaggag	ggctctcttc	cccatcgag	960
	agggcagaac	tccaagaatg	gagtaagatt	agtcatagta	aagtcctcagt	ctgaatattt	1020
	agcaagagaa	acagggcagca	gaggaaacca	atcacaattt	ctaaaaacct	ctaaaaacct	1080
	aagttctata	ttttcatcca	aaagactttc	attactcaca	gcatatgata	gcatatgata	1140
	tcttggacag	agtttcagat	ggaatgactt	gtctgaagtt	tgtaaaagtt	aatataggtt	1200
	ttgggggaat	tattttaata	tcaagaagt	gtttttattt	agtcctttgt	gtttaaaattt	1260

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agccttacta attatacaaa taactcataa agttctaaat tcagaaggaa tgtctgttct 1320
ttatcaagtg tatgtaaacta ttttttagaa atgccatcta cttcttagaa acactaaagt 1380
tatgttttct taagttaaat aactataatt tatatactta ttaaaaaggt acttctcttc 1440
ccaaaaaa aaaaaaaaaa a 1461

<210> 43

<211> 854

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3046106CT1

<400> 43

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tgtcatactc ttggaggaa agtgggtccc caaaatgaca gcaattccta aggagtttgt 180
gaaggggtac atgtttgaaat catatagagt aaatatcata aaaactatcc atacattact 240
gttcattggg caagagacaca tcatttagaa tatacatcca atttataaat ttatttaata 300
ggcaagatgt tatagagaac acagtctcca agattctttt tcagtttcca ttgactaaat 360
ttctaacctt agaaagctct gaatgtgaca tatttcgcca ttcttcagca agagtgtatg 420
caaaactaca tccccacttt gcaaaaatat atcacttcaa tggaggtggc atataaacct 480
gaatttttat ttatggaag gttgctatgt gaatatacag agctgaaggt ttaggagggc 540
aactaagggg cttatcgtac cacatctctg gcccttattg aatgtttctt ttcctaagtc 600
tctcctggac tccagtttgc tgtataatcc tgagactcct ttacagaata cggggatcta 660
acatgtagag actattcctg taattgggtg ttcttggagg cattgcaaaa ccaaattttt 720
ctttactttg tagcactttt gactaatgtt atctaaggac tgtatcaaaag aattgggttc 780
tattagattt tagtttaaga aatcttcaa tttgttaca gaggaggcta ttggaggat 840
gaaactgaaa ttaa 854

<210> 44

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3012947CB1

<400> 44

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gcgcgtaaat atatcccaag ccttggaatg ggcatttgaa cagaaggaaat tagaccagga 180
acctggggca ggaacttgaca gtctgatccg gactgggtcc agctgccaga cccaggatg 240
tgatgtctgt taccaaggcc ctgagagtga tgctactcca tgtacctacc cccaggagc 300
accocagatc catgagggga tgaagtcttg gactgtgtg ggcattccaga ccttgattt 360
tggggcattc ttggcacaac cagggtgcag agtcggtaga catgactggg ggaagcagct 420
cccagcatct tgcgcctatg attggcacca gacagattcc ttagtatggg tgactgtata 480
tggccagatt ccaactcctg cgtttaactg ggtgaaggcc agtcaaaact agcttcatgt 540
ccacattgtc ttgtatggta accgtgtgtt ccaagcacag atgaagctct ggggggtaag 600
tgaagaccag gggacacaag agtgggaggc agatgggtga aagagcggct agactggaat 660
agagggtgct ttgagggaag gagtgttact agggaaatgg aggttttctc ttca 714

<210> 45

<211> 1434

PB-0009-1 CIP

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 466761CT1

<400> 45

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tccctcaagca	agtgggaaat	cggaaaagaa	aaggacagcg	attgtaggga	agcagaggat	180
aaagaattta	gccacaacaaa	gaaacaatct	agtcaatctg	ggtgctttta	tttctctgggt	240
actctctaaa	catgggtcag	agctgggtga	gatgaagtag	gtgaaaccttc	tgaaaaagagt	300
ctagaaggca	gtagagcaag	tcccagacca	gaaacatgct	catcttttca	tcgttaagtgt	360
ccactcggta	ctatttggtta	atgtcactct	atttttcccta	atccccatct	ttgggtttgta	420
tttcataatt	gtatataagg	caccattttc	taaaaaatag	actaggggtgt	gacctaaaggt	480
tttattctgt	gaagatgagt	aaactggaaag	aagctaacac	tcgagtggtg	aggaaggagag	540
agagttgttc	agggtggtagt	tcgacgtggt	ttgaaatctag	tccttctctac	atggaggata	600
aaagctccta	aagtccactc	tgggttttggt	attttaatag	aaatagaaag	ggaaactata	660
gaccaatgga	gatgaaaatc	aggggctatc	gacagatgga	ggagaaaata	gggtctacat	720
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ggttcaggag	agtggcactg	cccacaactg	ctttgtgggt	ttgtgcacttc	cagccgcaat	840
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gaaatgattt	gtgagaggaa	gctggagtag	acagcatgaa	cagcgagtgt	tacctgacag	1020
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agagaggacc	ttactgcctt	agtagcataa	gggtctggaa	aagaagtttc	tatctcacaa	1260
caaaggaaaa	agtgaaaagc	aaggtggaac	ttgaagatac	gtcaacgaaa	tcactataaa	1320
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<210> 46

<211> 2298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1644171CT1

<220>

<221> unsure

<222> 2159, 2169-2170, 2223-2245, 2248-2272, 2275-2277, 2279-2295

<223> a, t, c, g, or other

<400> 46

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gacttgctcc	tggtttccctc	aaggggtggg	gcagtggttt	aggacactcg	acaactaaga	180
acaggaggtc	ccagggaagga	caaggatctg	catccccac	tgccactctt	ctgatgtggt	240
cctcaaagct	ggctcgaggg	ctcgatccct	tcatcggaat	caggaggggga	ctgggttggtg	300
tatccaggta	atttactctt	ggaagtgact	gtagtgaagg	tcgttgaagg	gctcagaggg	360
tttaattggt	tcagtgctgt	ctttgtctat	tgcatgtctt	ggaaaactca	gactccaaag	420
gcgctgggtt	tcagagaggga	cagtgaggac	cttgctctctt	tcctctaggc	cgccagctctc	480

tcaaatttca	gaggaggctg	ttccacacac	ttccctatgg	aaacacttgg	cagcggaggt	540
gctccttttg	agtttgcaca	ccatggcttt	tcctttccct	tccttcccat	tccttgatgc	600
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gggtggccacc	aaggcttaac	attgaccttc	ccgcctgacc	ttgatgcaga	tgctccactga	720
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ggagggggct	tttaagcaga	ttctgactct	ttgggggtgg	ggattaggaa	ctggggggaaa	1920
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gcagaacctt	tcagtggtc	ttttggttct	gatttcatca	gtctcaataa	agttccgctc	2040
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gctttcccn	gaaaaaattt	ttcccccccc	aaaattccag	cccgctgggt	gagtcgcctg	2220
tcnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngnnnnnn	2280
nnnnnnnnnn	nnnnnnccc					2298

<210> 47

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3009806CB1

<400> 47

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agtggttttt	gacagcttct	ttaattttgc	gtgcacaccc	gctctcaaga	ggcaggagaa	180
gctccatctg	tgtgggcagt	gcaagtttgc	ccattactgc	gaccgcacct	gccagaagaa	240
tgctttgctg	aaccacaaga	atgaattgtc	ggccatcaag	agatatggga	aggtggccaa	300
tgagaacatc	aggtctggcg	cgcgcacat	gtggagggtg	gagagagaag	gcaccgggct	360
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ttttactctc	agtgatcaga	gaggcctgca	cagctgtggg	cgtaaggatc	ttccccacc	600
tggggctggg	gaaccatgac	tgttggccca	actgtaactg	gcaaatatta	caatgggcat	660
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ccttaggg						728

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<210> 48
<211> 1158
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5578191CB1

<400> 48
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gctgcccatg gacttgctgg tgctggagga tgagaagcac cagggggctc agagtgcagc 180
cctgcagaag gtgaagggcc aagagcgctg gcgcaagacg tccctggacc tgcggcgagg 240
gatcatcgat gtggcgggga tccagaacct catcgagctg cggaagaaac gcaagcagaa 300
gaagcgggac gctctggcgg cctcgcatga gccgccccca gagcccgagg agatcactgg 360
ccctgtggat gaggagacct tctgaaagc tgcgttgagg gggaaaatga aggtcaattga 420
gaagttcctg gctgacgggg ggtcagccga cactgtgcgac cagttccgtc ggacagcact 480
gcaccgagct tccttggaa ggcacatgga aatcctggag aagcttctag ataatggggc 540
cactgtggac ttccaggatc ggctggactg cacagccatg cattggggct gccgcggggg 600
ccacttagag gtggtgaaac ttctgcaaag ccattggagca gacaccaatg tgggggataa 660
gctgctgagc accccgctgc acgtggcagt ccggacaggg caggttgaga ttgtggagca 720
ctttctatcc ctgggcctgc aaatcaatgc cagagacagg gaaggggata ctgccctgca 780
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accacaataa aaaagctg 1158

<210> 49
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3601719CD1

<400> 49
Met Leu Glu Pro Ser Arg Gln Ile Ser Ile Phe Gln Trp Glu Pro
1 5 10 15
Phe Gly Gln Glu Gln Val Asn Pro Pro Glu Lys Asn Val Leu
20 25 30
Leu Lys Trp Arg Arg Val Phe Leu Pro Pro Arg Met Arg Arg Arg
35 40 45
Ser Gln Phe Gln Glu Arg Arg Asn Phe Gln Asp Leu Gln Ser Ile
50 55 60
Tyr Arg Lys Ser Arg Ile Leu Lys Val Asn
65 70

<210> 50
<211> 552
<212> PRT
<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 3445829CD1

<400> 50

Met Ser Thr Phe Gly Tyr Arg Arg Gly Leu Ser Lys Tyr Glu Ser
1 5 10 15
Ile Asp Glu Asp Glu Leu Leu Ala Ser Leu Ser Ala Glu Glu Leu
20 25 30
Lys Glu Leu Glu Arg Glu Leu Glu Asp Ile Glu Pro Asp Arg Asn
35 40 45
Leu Pro Val Gly Leu Arg Gln Lys Ser Leu Thr Glu Lys Thr Pro
50 55 60
Thr Gly Thr Phe Ser Arg Glu Ala Leu Met Ala Tyr Trp Glu Lys
65 70 75
Glu Ser Gln Lys Leu Leu Glu Lys Glu Arg Leu Gly Glu Cys Gly
80 85 90
Lys Val Ala Glu Asp Lys Glu Glu Ser Glu Glu Glu Leu Ile Phe
95 100 105
Thr Glu Ser Asn Ser Glu Val Ser Glu Glu Val Tyr Thr Glu Glu
110 115 120
Glu Glu Glu Glu Ser Gln Glu Glu Glu Glu Glu Asp Ser Asp
125 130 135
Glu Glu Glu Arg Thr Ile Glu Thr Ala Lys Gly Ile Asn Gly Thr
140 145 150
Val Asn Tyr Asp Ser Val Asn Ser Asp Asn Ser Lys Pro Lys Ile
155 160 165
Phe Lys Ser Gln Ile Glu Asn Ile Asn Leu Thr Asn Gly Ser Asn
170 175 180
Gly Arg Asn Thr Glu Ser Pro Ala Ala Ile His Pro Cys Gly Asn
185 190 195
Pro Thr Val Ile Glu Asp Ala Leu Asp Lys Ile Lys Ser Asn Asp
200 205 210
Pro Asp Thr Thr Glu Val Asn Leu Asn Asn Ile Glu Asn Ile Thr
215 220 225
Thr Gln Thr Leu Thr Arg Phe Ala Glu Ala Leu Lys Asp Asn Thr
230 235 240
Val Val Lys Thr Phe Ser Leu Ala Asn Thr His Ala Asp Asp Ser
245 250 255
Ala Ala Met Ala Ile Ala Glu Met Leu Lys Val Asn Glu His Ile
260 265 270
Thr Asn Val Asn Val Glu Ser Asn Phe Ile Thr Gly Lys Gly Ile
275 280 285
Leu Ala Ile Met Arg Ala Leu Gln His Asn Thr Val Leu Thr Glu
290 295 300
Leu Arg Phe His Asn Gln Arg His Ile Met Gly Ser Gln Val Glu
305 310 315
Met Glu Ile Val Lys Leu Leu Lys Glu Asn Thr Thr Leu Leu Arg
320 325 330
Leu Gly Tyr His Phe Glu Leu Pro Gly Pro Arg Met Ser Met Thr
335 340 345
Ser Ile Leu Thr Arg Asn Met Asp Lys Gln Arg Gln Lys Arg Leu
350 355 360
Gln Glu Gln Lys Gln Gln Glu Gly Tyr Asp Gly Gly Pro Asn Leu
365 370 375
Arg Thr Lys Val Trp Gln Arg Gly Thr Pro Ser Ser Ser Pro Tyr

Val	Ser	Pro	Arg	His	Ser	Pro	Trp	Ser	Ser	Pro	Lys	Leu	Pro	Lys	380	385	390
Lys	Val	Gln	Thr	Val	Arg	Ser	Arg	Pro	Leu	Ser	Pro	Val	Ala	Thr	395	400	405
Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Ser	Ser	410	415	420
Gln	Arg	Leu	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Leu	Pro	425	430	435
Glu	Lys	Lys	Leu	Ile	Thr	Arg	Asn	Ile	Ala	Glu	Val	Ile	Lys	Gln	440	445	450
Gln	Glu	Ser	Ala	Gln	Arg	Ala	Leu	Gln	Asn	Gly	Gln	Lys	Lys	Lys	455	460	465
Lys	Gly	Lys	Lys	Val	Lys	Lys	Gln	Pro	Asn	Ser	Ile	Leu	Lys	Glu	470	475	480
Ile	Lys	Asn	Ser	Leu	Arg	Ser	Val	Gln	Glu	Lys	Lys	Met	Glu	Asp	485	490	495
Ser	Ser	Arg	Pro	Ser	Thr	Pro	Gln	Arg	Ser	Ala	His	Glu	Asn	Leu	500	505	510
Met	Glu	Ala	Ile	Arg	Gly	Ser	Ser	Ile	Lys	Gln	Leu	Lys	Arg	Val	515	520	525
Ser	Asn	Gln	Arg	Thr	Asp	Ile	Gly	Ala	Gln	Ile	Lys				530	535	540
															545	550	

<210> 51

<211> 260

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2837330CD1

<400> 51

Met	Ser	Leu	Leu	Trp	Thr	Pro	Lys	Gly	Lys	Met	Arg	Leu	Gln	Ala	1	5	10	15
Glu	Lys	Leu	Asn	Lys	Ala	Pro	Gln	Gly	Gly	Ile	Gly	Thr	Ala	Ala	20	25	30	35
Val	Arg	Pro	Lys	Ser	Leu	Ala	Ile	Ser	Ser	Ser	Leu	Val	Ser	Asp	35	40	45	50
Val	Val	Arg	Pro	Lys	Thr	Gln	Gly	Thr	Asp	Leu	Lys	Thr	Ser	Ser	50	55	60	65
His	Pro	Glu	Met	Leu	His	Gly	Met	Ala	Pro	Gln	Gln	Lys	His	Gly	65	70	75	80
Gln	Gln	Tyr	Lys	Thr	Lys	Ser	Ser	Tyr	Lys	Ala	Phe	Ala	Ala	Phe	80	85	90	95
Pro	Thr	Asn	Thr	Leu	Leu	Leu	Glu	Gln	Lys	Thr	Pro	Thr	Thr	Leu	95	100	105	110
Pro	Arg	Ala	Ala	Gly	Arg	Glu	Thr	Lys	Tyr	Ala	Asn	Leu	Ser	Ser	110	115	120	125
Pro	Thr	Ser	Thr	Val	Ser	Glu	Ser	Gln	Leu	Thr	Lys	Pro	Gly	Val	125	130	135	140
Ile	Arg	Pro	Val	Pro	Val	Lys	Ser	Arg	Ile	Leu	Leu	Lys	Lys	Glu	140	145	150	155
Glu	Glu	Val	Tyr	Glu	Pro	Asn	Pro	Phe	Ser	Lys	Tyr	Leu	Glu	Asp	155	160	165	

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Asn	Ser	Asp	Leu	Phe	Ser	Glu	Gln	Asp	Val	Thr	Val	Pro	Pro	Lys	
			170						175					180	
Pro	Val	Ser	Leu	His	Pro	Leu	Tyr	Gln	Thr	Lys	Leu	Tyr	Pro	Pro	
			185						190					195	
Ala	Lys	Ser	Leu	Leu	His	Pro	Gln	Thr	Leu	Ser	His	Ala	Asp	Cys	
			200						205					210	
Leu	Ala	Pro	Gly	Pro	Phe	Ser	His	Leu	Ser	Phe	Ser	Leu	Ser	Asp	
			215						220					225	
Glu	Gln	Glu	Asn	Ser	His	Thr	Leu	Leu	Ser	His	Asn	Ala	Cys	Asn	
			230						235					240	
Lys	Leu	Ser	His	Pro	Met	Val	Ala	Ile	Pro	Glu	His	Glu	Ala	Leu	
			245						250					255	
Asp	Ser	Lys	Glu	Gln											
			260												

<210> 52

<211> 364

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1737459CD1

<400> 52

Met	Ser	Ala	Asn	Ser	Ser	Arg	Val	Gly	Gln	Leu	Leu	Leu	Gln	Gly	
			5						10					15	
Ser	Ala	Cys	Ile	Arg	Trp	Lys	Gln	Asp	Val	Glu	Gly	Ala	Ile	Tyr	
			20						25					30	
His	Leu	Ala	Asn	Cys	Leu	Leu	Leu	Leu	Gly	Phe	Met	Gly	Gly	Ser	
			35						40					45	
Gly	Val	Tyr	Gly	Cys	Phe	Tyr	Leu	Phe	Gly	Phe	Leu	Ser	Ala	Gly	
			50						55					60	
Tyr	Leu	Cys	Cys	Val	Leu	Trp	Gly	Trp	Phe	Ser	Ala	Cys	Gly	Leu	
			65						70					75	
Asp	Ile	Val	Leu	Trp	Ser	Phe	Leu	Leu	Ala	Val	Val	Cys	Leu	Leu	
			80						85					90	
Gln	Leu	Ala	His	Leu	Val	Tyr	Arg	Leu	Arg	Glu	Asp	Thr	Leu	Pro	
			95						100					105	
Glu	Glu	Phe	Asp	Leu	Leu	Tyr	Lys	Thr	Leu	Cys	Leu	Pro	Leu	Gln	
			110						115					120	
Val	Pro	Leu	Gln	Thr	Tyr	Lys	Glu	Ile	Val	His	Cys	Cys	Glu	Glu	
			125						130					135	
Gln	Val	Leu	Thr	Leu	Ala	Thr	Glu	Gln	Thr	Tyr	Ala	Val	Glu	Gly	
			140						145					150	
Glu	Thr	Pro	Ile	Asn	Arg	Leu	Ser	Leu	Leu	Leu	Ser	Gly	Arg	Val	
			155						160					165	
Arg	Val	Ser	Gln	Asp	Gly	Gln	Phe	Leu	His	Tyr	Ile	Phe	Pro	Tyr	
			170						175					180	
Gln	Phe	Met	Asp	Ser	Pro	Glu	Trp	Glu	Ser	Leu	Gln	Pro	Ser	Glu	
			185						190					195	
Glu	Gly	Val	Phe	Gln	Val	Thr	Leu	Thr	Ala	Glu	Thr	Ser	Cys	Ser	
			200						205					210	
Tyr	Ile	Ser	Trp	Pro	Arg	Lys	Ser	Leu	His	Leu	Leu	Leu	Thr	Lys	
			215						220					225	
Glu	Arg	Tyr	Ile	Ser	Cys	Leu	Phe	Ser	Ala	Leu	Leu	Gly	Tyr	Asp	

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Ile Ser Glu Lys	230	235	240
Leu Tyr Thr Leu Asn Asp Lys Leu Phe Ala Lys	245	250	255
Phe Gly Leu Arg Phe Asp Ile Arg Leu Pro Ser Leu Tyr His Val	260	265	270
Leu Gly Pro Thr Ala Ala Asp Ala Gly Pro Glu Ser Glu Lys Gly	275	280	285
Asp Glu Glu Val Cys Glu Pro Ala Val Ser Pro Pro Gln Ala Thr	290	295	300
Pro Thr Ser Leu Gln Gln Thr Pro Pro Cys Ser Thr Pro Pro Ala	305	310	315
Thr Thr Asn Phe Pro Ala Pro Pro Thr Arg Ala Arg Leu Ser Arg	320	325	330
Pro Asp Ser Gly Ile Leu Ala Ser Arg Ile Pro Leu Gln Ser Tyr	335	340	345
Ser Gln Val Ile Ser Arg Gly Gln Ala Pro Leu Ala Pro Thr His	350	355	360
Thr Pro Glu Leu			

<210> 53

<211> 527

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 058201CD1

<400> 53

Met Glu Cys Leu Val Ala Asp Lys Gln Asn Phe His Lys Ser Cys	1	5	10	15
Phe Arg Cys His His Cys Asn Ser Lys Leu Ser Leu Gly Asn Tyr	20	25	30	35
Ala Ser Leu His Gly Gln Ile Tyr Cys Lys Pro His Phe Lys Gln	40	45	50	55
Leu Phe Lys Ser Lys Gly Asn Tyr Asp Glu Gly Phe Gly His Lys	60	65	70	75
Gln His Lys Asp Arg Trp Asn Cys Lys Asn Gln Ser Arg Ser Val	80	85	90	95
Asp Phe Ile Pro Asn Glu Glu Pro Asn Met Cys Lys Asn Ile Ala	100	105	110	115
Glu Asn Thr Leu Val Pro Gly Asp Arg Asn Glu His Leu Asp Ala	120	125	130	135
Gly Asn Ser Glu Gly Gln Arg Asn Asp Leu Arg Lys Leu Gly Glu	140	145	150	155
Arg Gly Lys Leu Lys Val Ile Trp Pro Pro Ser Lys Glu Ile Pro	160	165	170	175
Lys Lys Thr Leu Pro Phe Glu Glu Glu Leu Lys Met Ser Lys Pro	180	185	190	195
Lys Trp Pro Pro Glu Met Thr Thr Leu Leu Ser Pro Glu Phe Lys				
Ser Glu Ser Leu Leu Glu Asp Val Arg Thr Pro Glu Asn Lys Gly				
Gln Arg Gln Asp His Phe Pro Phe Leu Gln Pro Tyr Leu Gln Ser				

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Thr His Val Cys	Gln Lys Glu Asp Val	Ile Gly Ile Lys Glu Met
200	205	210
Lys Met Pro Glu	Gly Arg Lys Asp Glu	Lys Lys Glu Gly Arg Lys
215	220	225
Asn Val Gln Asp	Arg Pro Ser Glu Ala	Glu Asp Thr Lys Ser Asn
230	235	240
Arg Lys Ser Ala	Met Asp Leu Asn Asp	Asn Asn Asn Val Ile Val
245	250	255
Gln Ser Ala Glu	Lys Glu Lys Asn Glu	Lys Thr Asn Gln Thr Asn
260	265	270
Gly Ala Glu Val	Leu Gln Val Thr Asn	Thr Asp Asp Glu Met Met
275	280	285
Pro Glu Asn His	Lys Glu Asn Leu Asn	Lys Asn Asn Asn Asn Asn
290	295	300
Tyr Val Ala Val	Ser Tyr Leu Asn Asn	Cys Arg Gln Lys Thr Ser
305	310	315
Ile Leu Glu Phe	Leu Asp Leu Leu Pro	Leu Ser Ser Glu Ala Asn
320	325	330
Asp Thr Ala Asn	Glu Tyr Glu Ile Glu	Lys Leu Glu Asn Thr Ser
335	340	345
Arg Ile Ser Glu	Leu Leu Gly Ile Phe	Glu Ser Glu Lys Thr Tyr
350	355	360
Ser Arg Asn Val	Leu Ala Met Ala Leu	Lys Lys Gln Thr Asp Arg
365	370	375
Ala Ala Ala Gly	Ser Pro Val Gln Pro	Ala Pro Lys Pro Ser Leu
380	385	390
Ser Arg Gly Leu	Met Val Lys Gly Gly	Ser Ser Ile Ile Ser Pro
395	400	405
Asp Thr Asn Leu	Leu Asn Ile Lys Gly	Ser His Ser Lys Ser Lys
410	415	420
Asn Leu His Phe	Phe Phe Ser Asn Thr	Val Lys Ile Thr Ala Phe
425	430	435
Ser Lys Lys Asn	Glu Asn Ile Phe Asn	Cys Asp Leu Ile Asp Ser
440	445	450
Val Asp Gln Ile	Lys Asn Met Pro Cys	Leu Asp Leu Arg Glu Phe
455	460	465
Gly Lys Asp Val	Lys Pro Trp His Val	Glu Thr Thr Glu Ala Ala
470	475	480
Arg Asn Asn Glu	Asn Thr Gly Phe Asp	Ala Leu Ser His Glu Cys
485	490	495
Thr Ala Lys Pro	Leu Phe Pro Arg Val	Glu Val Gln Ser Glu Gln
500	505	510
Leu Thr Val Glu	Glu Gln Ile Lys Arg	Asn Arg Cys Tyr Ser Asp
515	520	525
Thr Glu		

<210> 54

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5449893CD1

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<400> 54

Met Ser Gln Ala Gly Ala Gln Glu Ala Pro Ile Lys Lys Lys Arg
1 5 10 15
Pro Pro Val Lys Glu Glu Asp Leu Lys Gly Ala Arg Gly Asn Leu
20 25 30
Thr Lys Asn Gln Glu Ile Lys Ser Lys Thr Tyr Gln Val Met Arg
35 40 45
Glu Cys Glu Gln Ala Gly Ser Ala Ala Pro Ser Val Phe Ser Arg
50 55 60
Thr Arg Thr Gly Thr Glu Thr Val Phe Glu Lys Pro Lys Ala Gly
65 70 75
Pro Thr Lys Ser Val Phe Gly
80

<210> 55

<211> 302

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 282977CD1

<400> 55

Met Asn Val Gln Pro Cys Ser Arg Cys Gly Tyr Gly Val Tyr Pro
1 5 10 15
Ala Glu Lys Ile Ser Cys Ile Asp Gln Ile Trp His Lys Ala Cys
20 25 30
Phe His Cys Glu Val Cys Lys Met Met Leu Ser Val Asn Asn Phe
35 40 45
Val Ser His Gln Lys Lys Pro Tyr Cys His Ala His Asn Pro Lys
50 55 60
Asn Asn Thr Phe Thr Ser Val Tyr His Thr Pro Leu Asn Leu Asn
65 70 75
Val Arg Thr Phe Pro Glu Ala Ile Ser Gly Ile His Asp Gln Glu
80 85 90
Asp Gly Glu Gln Cys Lys Ser Val Phe His Trp Asp Met Lys Ser
95 100 105
Lys Asp Lys Glu Gly Ala Pro Asn Arg Gln Pro Leu Ala Asn Glu
110 115 120
Arg Ala Tyr Trp Thr Gly Tyr Gly Glu Gly Asn Ala Trp Cys Pro
125 130 135
Gly Ala Leu Pro Asp Pro Glu Ile Val Arg Met Val Glu Ala Arg
140 145 150
Lys Ser Leu Gly Glu Glu Tyr Thr Glu Asp Tyr Glu Gln Pro Arg
155 160 165
Gly Lys Gly Ser Phe Pro Ala Met Ile Thr Pro Ala Tyr Gln Arg
170 175 180
Ala Lys Lys Ala Asn Gln Leu Ala Ser Gln Val Glu Tyr Lys Arg
185 190 195
Gly His Asp Glu Arg Ile Ser Arg Phe Ser Thr Val Ala Asp Thr
200 205 210
Pro Glu Leu Leu Arg Ser Lys Ala Gly Ala Gln Leu Gln Ser Asp
215 220 225
Val Arg Tyr Thr Glu Asp Tyr Glu Gln Arg Gly Lys Gly Ser
230 235 240

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Phe	Pro	Ala	Met	Ile	Thr	Pro	Ala	Tyr	Gln	Ile	Ala	Lys	Arg	Ala	
				245					250					255	
Asn	Glu	Leu	Ala	Ser	Asp	Val	Arg	Tyr	His	Gln	Gln	Tyr	Gln	Lys	
				260					265					270	
Glu	Met	Arg	Gly	Met	Ala	Gly	Pro	Ala	Ile	Gly	Ala	Glu	Gly	Ile	
				275					280					285	
Leu	Thr	Arg	Glu	Cys	Ala	Asp	Gln	Tyr	Gly	His	Gly	Tyr	Pro	Glu	
				290					295					300	
Glu	Tyr														

<210> 56
<211> 193
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3178454CD1

<400>	56														
Met	Asn	Thr	Ser	Phe	Ser	Asp	Ile	Glu	Leu	Leu	Glu	Asp	Ser	Gly	
1				5					10					15	
Ile	Pro	Thr	Glu	Ala	Phe	Leu	Ala	Ser	Cys	Ala	Val	Val	Pro		
				20					25					30	
Val	Leu	Asp	Lys	Leu	Gly	Pro	Thr	Val	Phe	Ala	Pro	Val	Lys	Met	
				35					40					45	
Asp	Leu	Val	Glu	Asn	Ile	Lys	Lys	Val	Asn	Gln	Lys	Tyr	Ile	Thr	
				50					55					60	
Asn	Lys	Glu	Glu	Phe	Thr	Thr	Leu	Gln	Lys	Ile	Val	Leu	His	Glu	
				65					70					75	
Val	Glu	Ala	Asp	Val	Ala	Gln	Val	Arg	Asn	Ser	Ala	Thr	Glu	Ala	
				80					85					90	
Leu	Leu	Trp	Leu	Lys	Arg	Gly	Leu	Lys	Phe	Leu	Lys	Gly	Phe	Leu	
				95					100					105	
Thr	Glu	Val	Lys	Asn	Gly	Glu	Lys	Asp	Ile	Gln	Thr	Ala	Leu	Asn	
				110					115					120	
Asn	Ala	Tyr	Gly	Lys	Thr	Leu	Arg	Gln	His	His	Gly	Trp	Val	Val	
				125					130					135	
Arg	Gly	Val	Phe	Ala	Leu	Ala	Leu	Arg	Ala	Thr	Pro	Ser	Tyr	Glu	
				140					145					150	
Asp	Phe	Val	Ala	Ala	Leu	Thr	Val	Lys	Glu	Gly	Asp	His	Arg	Lys	
				155					160					165	
Glu	Ala	Phe	Ser	Ile	Gly	Met	Gln	Arg	Asp	Leu	Ser	Leu	Tyr	Leu	
				170					175					180	
Pro	Ala	Met	Lys	Lys	Gln	Met	Ala	Ile	Leu	Asp	Ala	Leu			
				185					190						

<210> 57
<211> 174
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4152861CD1

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<400> 57

Met	Ser	Asn	Gly	Tyr	Arg	Thr	Leu	Ser	Gln	His	Leu	Asn	Asp	Leu	
1				5					10					15	
Lys	Lys	Glu	Asn	Phe	Ser	Leu	Lys	Leu	Arg	Ile	Tyr	Phe	Leu	Glu	
				20					25					30	
Glu	Arg	Met	Gln	Gln	Lys	Tyr	Glu	Ala	Ser	Arg	Glu	Asp	Ile	Tyr	
				35					40					45	
Lys	Arg	Asn	Thr	Glu	Leu	Lys	Val	Glu	Val	Glu	Ser	Leu	Lys	Arg	
				50					55					60	
Glu	Leu	Gln	Asp	Lys	Lys	Gln	His	Leu	Asp	Lys	Thr	Trp	Ala	Asp	
				65					70					75	
Val	Glu	Asn	Leu	Asn	Ser	Gln	Asn	Glu	Ala	Glu	Leu	Arg	Arg	Gln	
				80					85					90	
Phe	Glu	Glu	Arg	Gln	Gln	Glu	Thr	Glu	His	Val	Tyr	Glu	Leu	Leu	
				95					100					105	
Glu	Asn	Lys	Met	Gln	Leu	Leu	Gln	Glu	Glu	Ser	Arg	Leu	Ala	Lys	
				110					115					120	
Asn	Glu	Ala	Ala	Arg	Met	Ala	Ala	Leu	Val	Glu	Ala	Glu	Lys	Glu	
				125					130					135	
Cys	Asn	Leu	Glu	Leu	Ser	Glu	Lys	Leu	Lys	Gly	Val	Thr	Lys	Asn	
				140					145					150	
Trp	Glu	Asp	Val	Pro	Gly	Asp	Gln	Val	Lys	Pro	Asp	Gln	Tyr	Thr	
				155					160					165	
Glu	Ala	Leu	Ala	Gln	Arg	Asp	Lys	Ile							
				170											

<210> 58

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3009303CD1

<400> 58

Met	Val	Gly	Val	Arg	Glu	Pro	Leu	Val	Phe	Arg	Val	Asp	Ala	Arg	
1				5					10					15	
Gly	Ser	Val	Asp	Trp	Ala	Ala	Ser	Gly	Met	Gly	Ser	Leu	Glu	Glu	
				20					25					30	
Glu	Gly	Thr	Met	Glu	Glu	Ala	Gly	Glu	Glu	Gly	Gly	Asp	Gly		
				35					40					45	
Asp	Ala	Phe	Val	Thr	Glu	Glu	Ser	Gln	Asp	Thr	His	Ser	Leu	Gly	
				50					55					60	
Asp	Arg	Asp	Pro	Lys	Ile	Leu	Thr	His	Asn	Gly	Arg	Met	Leu	Thr	
				65					70					75	
Leu	Ala	Asp	Leu	Glu	Asp	Tyr	Val	Pro	Gly	Glu	Gly	Glu	Thr	Phe	
				80					85					90	
His	Cys	Gly	Gly	Pro	Gly	Pro	Gly	Ala	Pro	Asp	Asp	Pro	Pro	Cys	
				95					100					105	
Glu	Val	Ser	Val	Ile	Gln	Arg	Glu	Ile	Gly	Glu	Pro	Thr	Val	Gly	
				110					115					120	
Gln	Pro	Val	Leu	Leu	Ser	Val	Gly	His	Ala	Leu	Gly	Pro	Arg	Gly	
				125					130					135	
Pro	Leu	Gly	Leu	Phe	Arg	Pro	Glu	Pro	Arg	Gly	Ala	Ser	Pro	Pro	
				140					145					150	

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Gly	Pro	Gln	Val	Arg	Ser	Leu	Glu	Gly	Thr	Ser	Phe	Leu	Leu	Arg	
				155					160					165	
Glu	Ala	Pro	Ala	Arg	Pro	Val	Gly	Ser	Ala	Pro	Trp	Thr	Gln	Ser	
				170					175					180	
Phe	Cys	Thr	Arg	Ile	Arg	Arg	Ser	Ala	Asp	Ser	Gly	Gln	Ser	Ser	
				185					190					195	
Phe	Thr	Thr	Glu	Leu	Ser	Thr	Gln	Thr	Val	Asn	Phe	Gly	Thr	Val	
				200					205					210	
Gly	Glu	Thr	Val	Thr	Leu	His	Ile	Cys	Pro	Asp	Arg	Asp	Gly	Asp	
				215					220					225	
Glu	Ala	Ala	Gln	Pro											
				230											

<210> 59

<211> 915

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4151935CD1

<400> 59

Met	Pro	Leu	Phe	Glu	Ala	Glu	Glu	Gly	Val	Leu	Ser	Arg	Thr	Gln	
				5					10					15	
Ile	Phe	Pro	Thr	Thr	Ile	Lys	Val	Ile	Asp	Pro	Glu	Phe	Leu	Glu	
				20					25					30	
Glu	Pro	Pro	Ala	Leu	Ala	Phe	Leu	Tyr	Lys	Asp	Leu	Tyr	Glu	Glu	
				35					40					45	
Ala	Val	Gly	Glu	Lys	Lys	Lys	Glu	Glu	Glu	Thr	Ala	Ser	Glu	Gly	
				50					55					60	
Asp	Ser	Val	Asn	Ser	Glu	Ala	Ser	Phe	Pro	Ser	Arg	Asn	Ser	Asp	
				65					70					75	
Thr	Asp	Asp	Gly	Thr	Gly	Ile	Tyr	Phe	Glu	Lys	Tyr	Ile	Leu	Lys	
				80					85					90	
Asp	Asp	Ile	Leu	His	Asp	Thr	Ser	Leu	Thr	Gln	Lys	Asp	Gln	Gly	
				95					100					105	
Gln	Gly	Leu	Glu	Glu	Lys	Arg	Val	Gly	Lys	Asp	Asp	Ser	Tyr	Gln	
				110					115					120	
Pro	Ile	Ala	Ala	Glu	Gly	Glu	Ile	Trp	Gly	Lys	Phe	Gly	Thr	Ile	
				125					130					135	
Cys	Arg	Glu	Lys	Ser	Leu	Glu	Glu	Gln	Lys	Gly	Val	Tyr	Gly	Glu	
				140					145					150	
Gly	Glu	Ser	Val	Asp	His	Val	Glu	Thr	Val	Gly	Asn	Val	Ala	Met	
				155					160					165	
Gln	Lys	Lys	Ala	Pro	Ile	Thr	Glu	Asp	Val	Arg	Val	Ala	Thr	Gln	
				170					175					180	
Lys	Ile	Ser	Tyr	Ala	Val	Pro	Phe	Glu	Asp	Thr	His	His	Val	Leu	
				185					190					195	
Glu	Arg	Ala	Asp	Glu	Ala	Gly	Ser	His	Gly	Asn	Glu	Val	Gly	Asn	
				200					205					210	
Ala	Ser	Pro	Glu	Val	Asn	Leu	Asn	Val	Pro	Val	Gln	Val	Ser	Phe	
				215					220					225	
Pro	Glu	Glu	Glu	Phe	Ala	Ser	Gly	Ala	Thr	His	Val	Gln	Glu	Thr	
				230					235					240	
Ser	Leu	Glu	Glu	Pro	Lys	Ile	Leu	Val	Pro	Pro	Glu	Pro	Ser	Glu	

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Glu Arg Leu Arg	Asn Ser Pro Val Gln	Asp Glu Tyr Glu Phe	Thr	245	250	255
Glu Ser Leu His	Asn Glu Val Val Pro	Gln Asp Ile Leu Ser	Glu	260	265	270
Glu Leu Ser Ser	Glu Ser Thr Pro Glu	Asp Val Leu Ser Gln	Gly	275	280	285
Lys Glu Ser Phe	Glu His Ile Ser Glu	Asn Glu Phe Ala Ser	Glu	290	295	300
Ala Glu Gln Ser	Thr Pro Ala Glu Gln	Lys Glu Leu Gly Ser	Glu	305	310	315
Arg Lys Glu Glu	Asp Gln Leu Ser Ser	Glu Val Val Thr Glu	Lys	320	325	330
Ala Gln Lys Glu	Leu Lys Lys Ser Gln	Ile Asp Thr Tyr Cys	Tyr	335	340	345
Thr Cys Lys Cys	Pro Ile Ser Ala Thr	Asp Lys Val Phe Gly	Thr	350	355	360
His Lys Asp His	Glu Val Ser Thr Leu	Asp Thr Ala Ile Ser	Ala	365	370	375
Val Lys Val Gln	Leu Ala Glu Phe Leu	Glu Asn Leu Gln Glu	Lys	380	385	390
Ser Leu Arg Ile	Glu Ala Phe Val Ser	Glu Ile Glu Ser Phe	Phe	395	400	405
Asn Thr Ile Glu	Glu Asn Cys Ser Lys	Asn Glu Lys Arg Leu	Glu	410	415	420
Glu Gln Asn Glu	Glu Met Met Lys Lys	Val Leu Ala Gln Tyr	Asp	425	430	435
Glu Lys Ala Gln	Ser Phe Glu Glu Val	Lys Lys Lys Met Glu	Glu	440	445	450
Phe Leu His Glu	Gln Met Val His Phe	Leu Gln Ser Met Asp	Thr	455	460	465
Ala Lys Asp Thr	Leu Glu Thr Ile Val	Arg Glu Ala Glu Glu	Leu	470	475	480
Asp Glu Ala Val	Phe Leu Thr Ser Phe	Glu Glu Ile Asn Glu	Arg	485	490	495
Leu Leu Ser Ala	Met Glu Ser Thr Ala	Ser Leu Glu Lys Met	Pro	500	505	510
Ala Ala Phe Ser	Leu Phe Glu His Tyr	Asp Asp Ser Ser Ala	Arg	515	520	525
Ser Asp Gln Met	Leu Lys Gln Val Ala	Val Pro Gln Pro Pro	Arg	530	535	540
Leu Glu Pro Gln	Glu Pro Asn Ser Ala	Thr Ser Thr Thr Ile	Ala	545	550	555
Val Tyr Trp Ser	Met Asn Lys Glu Asp	Val Ile Asp Ser Phe	Gln	560	565	570
Val Tyr Cys Met	Glu Glu Pro Gln Asp	Asp Gln Glu Val Asn	Glu	575	580	585
Leu Val Glu Glu	Tyr Arg Leu Thr Val	Lys Glu Ser Tyr Cys	Ile	590	595	600
Phe Glu Asp Leu	Glu Pro Asp Arg Cys	Tyr Gln Val Trp Val	Met	605	610	615
Ala Val Asn Phe	Thr Gly Cys Ser Leu	Pro Ser Glu Arg Ala	Ile	620	625	630
Phe Arg Thr Ala	Pro Ser Thr Pro Val	Ile Arg Ala Glu Asp	Cys	635	640	645
Thr Val Cys Trp	Asn Thr Ala Thr Ile	Arg Trp Arg Pro Thr	Thr	650	655	660

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Pro	Glu	Ala	Thr	Glu	Thr	Tyr	Thr	Leu	Glu	Tyr	Cys	Arg	Gln	His	665	670	675
Ser	Pro	Glu	Gly	Glu	Gly	Leu	Arg	Ser	Phe	Ser	Gly	Ile	Lys	Gly	680	685	690
Leu	Gln	Leu	Lys	Val	Asn	Leu	Gln	Pro	Asn	Asp	Asn	Tyr	Phe	Phe	695	700	705
Tyr	Val	Arg	Ala	Ile	Asn	Ala	Phe	Gly	Thr	Ser	Glu	Gln	Ser	Glu	710	715	720
Ala	Ala	Leu	Ile	Ser	Thr	Arg	Gly	Thr	Arg	Phe	Leu	Leu	Leu	Arg	725	730	735
Glu	Thr	Ala	His	Pro	Ala	Leu	His	Ile	Ser	Ser	Ser	Gly	Thr	Val	740	745	750
Ile	Ser	Phe	Gly	Glu	Arg	Arg	Arg	Leu	Thr	Glu	Ile	Pro	Ser	Val	755	760	765
Leu	Gly	Glu	Glu	Leu	Pro	Ser	Cys	Gly	Gln	His	Tyr	Trp	Glu	Thr	770	775	780
Thr	Val	Thr	Asp	Cys	Pro	Ala	Tyr	Arg	Leu	Gly	Ile	Cys	Ser	Ser	785	790	795
Ser	Ala	Val	Gln	Ala	Gly	Ala	Leu	Gly	Gln	Gly	Glu	Thr	Ser	Trp	800	805	810
Tyr	Met	His	Cys	Ser	Glu	Pro	Gln	Arg	Tyr	Thr	Phe	Phe	Tyr	Ser	815	820	825
Gly	Ile	Val	Ser	Asp	Val	His	Val	Thr	Glu	Arg	Pro	Ala	Arg	Val	830	835	840
Gly	Ile	Leu	Leu	Asp	Tyr	Asn	Asn	Gln	Arg	Leu	Ile	Phe	Ile	Asn	845	850	855
Ala	Glu	Ser	Glu	Gln	Leu	Leu	Phe	Ile	Ile	Arg	His	Arg	Phe	Asn	860	865	870
Glu	Gly	Val	His	Pro	Ala	Phe	Ala	Leu	Glu	Lys	Pro	Gly	Lys	Cys	875	880	885
Thr	Leu	His	Leu	Gly	Ile	Glu	Pro	Pro	Asp	Ser	Val	Arg	His	Lys	890	895	900
															905	910	915

<210> 60

<211> 163

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Inbyte ID No: 3012947CD1

<400> 60

Met	Ala	Leu	Glu	Gln	Lys	Glu	Leu	Asp	Gln	Glu	Pro	Gly	Ala	Gly	1	5	10	15
Leu	Asp	Ser	Leu	Ile	Arg	Thr	Gly	Ser	Ser	Cys	Gln	Asn	Pro	Gly	20	25	30	35
Cys	Asp	Ala	Val	Tyr	Gln	Gly	Pro	Glu	Ser	Asp	Ala	Thr	Pro	Cys	40	45	50	55
Thr	Tyr	His	Pro	Gly	Ala	Pro	Arg	Phe	His	Glu	Gly	Met	Lys	Ser	60	65	70	75
Trp	Ser	Cys	Cys	Gly	Ile	Gln	Thr	Leu	Asp	Phe	Gly	Ala	Phe	Leu	80	85	90	95
Ala	Gln	Pro	Gly	Cys	Arg	Val	Gly	Arg	His	Asp	Trp	Gly	Lys	Gln				

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	80		85		90
Leu Pro Ala Ser Cys Arg His Asp Trp	His Gln Thr Asp Ser Leu				
	95		100		105
Val Val Val Thr Val Tyr Gly Gln Ile	Pro Leu Pro Ala Phe Asn				
	110		115		120
Trp Val Lys Ala Ser Gln Thr Glu Leu	His Val His Ile Val Phe				
	125		130		135
Asp Gly Asn Arg Val Phe Gln Ala Gln	Met Lys Leu Trp Gly Val				
	140		145		150
Ser Glu Asp Gln Gly Thr Gln Glu Trp	Glu Ala Asp Gly				
	155		160		

<210> 61

<211> 201

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3009806CD1

<400> 61

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Leu Lys Ala Thr Lys Glu Phe Trp Ala	Ala Asp Ile Ile Phe Ala
	20
Glu Arg Ala Tyr Ser Ala Val Val Phe	Asp Ser Leu Val Asn Phe
	35
Val Cys His Thr Cys Phe Lys Arg Gln	Glu Lys Leu His Arg Cys
	50
Gly Gln Cys Lys Phe Ala His Tyr Cys	Asp Arg Thr Cys Gln Lys
	65
Asp Ala Trp Leu Asn His Lys Asn Glu	Cys Ser Ala Ile Lys Arg
	80
Tyr Gly Lys Val Pro Asn Glu Asn Ile	Arg Leu Ala Ala Arg Ile
	95
Met Trp Arg Val Glu Arg Glu Gly Thr	Gly Leu Thr Glu Gly Cys
	110
Leu Val Ser Val Asp Asp Leu Gln Asn	His Val Glu His Phe Gly
	125
Glu Glu Glu Gln Lys Asp Leu Arg Val	Asp Val Asp Thr Phe Leu
	140
Gln Tyr Trp Pro Ala Gln Ser Gln Gln	Phe Ser Met Gln Tyr Ile
	155
Ser His Ile Phe Gly Val Ile Asn Cys	Asn Gly Phe Thr Leu Ser
	170
Asp Gln Arg Gly Leu His Ser Val Gly	Arg Lys Asp Leu Ser Pro
	185
Pro Gly Ala Gly Glu Pro	
	200

<210> 62

<211> 329

<212> PRT

<213> Homo sapiens

PB-0009-1 CIP

<220>

<221> misc_feature

<223> Incyte ID No: 5578191CD1

<400> 62

Met	Glu	Asp	Ser	Glu	Ala	Val	Gln	Arg	Ala	Thr	Ala	Leu	Ile	Glu
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Gln	Arg	Leu	Ala	Gln	Glu	Glu	Glu	Asn	Glu	Lys	Leu	Arg	Gly	Asp
				20				25						30
Thr	Arg	Gln	Lys	Leu	Pro	Met	Asp	Leu	Leu	Val	Leu	Glu	Asp	Glu
				35				40						45
Lys	His	His	Gly	Ala	Gln	Ser	Ala	Ala	Leu	Gln	Lys	Val	Lys	Gly
				50				55						60
Gln	Glu	Arg	Val	Arg	Lys	Thr	Ser	Leu	Asp	Leu	Arg	Arg	Glu	Ile
				65				70						75
Ile	Asp	Val	Gly	Gly	Ile	Gln	Asn	Leu	Ile	Glu	Leu	Arg	Lys	Lys
				80				85						90
Arg	Lys	Gln	Lys	Lys	Arg	Asp	Ala	Leu	Ala	Ala	Ser	His	Glu	Pro
				95				100						105
Pro	Pro	Glu	Pro	Glu	Glu	Ile	Thr	Gly	Pro	Val	Asp	Glu	Glu	Thr
				110				115						120
Phe	Leu	Lys	Ala	Ala	Val	Glu	Gly	Lys	Met	Lys	Val	Ile	Glu	Lys
				125				130						135
Phe	Leu	Ala	Asp	Gly	Gly	Ser	Ala	Asp	Thr	Cys	Asp	Gln	Phe	Arg
				140				145						150
Arg	Thr	Ala	Leu	His	Arg	Ala	Ser	Leu	Glu	Gly	His	Met	Glu	Ile
				155				160						165
Leu	Glu	Lys	Leu	Leu	Asp	Asn	Gly	Ala	Thr	Val	Asp	Phe	Gln	Asp
				170				175						180
Arg	Leu	Asp	Cys	Thr	Ala	Met	His	Trp	Ala	Cys	Arg	Gly	Gly	His
				185				190						195
Leu	Glu	Val	Val	Lys	Leu	Leu	Gln	Ser	His	Gly	Ala	Asp	Thr	Asn
				200				205						210
Val	Arg	Asp	Lys	Leu	Leu	Ser	Thr	Pro	Leu	His	Val	Ala	Val	Arg
				215				220						225
Thr	Gly	Gln	Val	Glu	Ile	Val	Glu	His	Phe	Leu	Ser	Leu	Gly	Leu
				230				235						240
Glu	Ile	Asn	Ala	Arg	Asp	Arg	Glu	Gly	Asp	Thr	Ala	Leu	His	Asp
				245				250						255
Ala	Val	Arg	Leu	Asn	Arg	Tyr	Lys	Ile	Ile	Lys	Leu	Leu	Leu	Leu
				260				265						270
His	Gly	Ala	Asp	Met	Met	Thr	Lys	Asn	Leu	Ala	Gly	Lys	Thr	Pro
				275				280						285
Thr	Asp	Leu	Val	Gln	Leu	Trp	Gln	Ala	Asp	Thr	Arg	His	Ala	Leu
				290				295						300
Glu	His	Pro	Glu	Pro	Gly	Ala	Glu	His	Asn	Gly	Leu	Glu	Gly	Pro
				305				310						315
Asn	Asp	Ser	Gly	Arg	Glu	Thr	Pro	Gln	Pro	Val	Pro	Ala	Gln	Pro
				320				325						